

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-225605

(43)Date of publication of application : 03.09.1996

(51)Int.Cl.

C08F 4/642  
C08F 10/08

(21)Application number : 07-113422

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(22)Date of filing : 11.05.1995

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(30)Priority

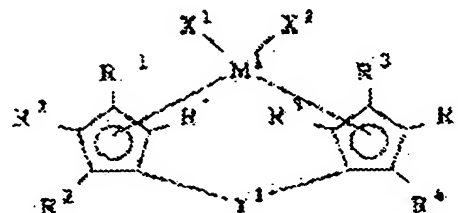
Priority number : 06316954 Priority date : 20.12.1994 Priority country : JP

## (54) PRODUCTION OF POLY-1-BUTENE

(57)Abstract:

PURPOSE: To obtain a poly-1-butene having a narrow compositional distribution and a high molecular weight which is polymerized in the presence of a metallocene catalyst containing a group IV transition metal compound with a high catalytic activity.

CONSTITUTION: 1-Butene is polymerized in the presence of a metallocene catalyst containing a group IVB transition metal compound represented by the formula (wherein M1 is a transition metal atom of any of the groups IV to VIB in the periodic table; R1 to R4 are each a 1-20C hydrocarbon group, a 1-20C halohydrocarbon group or the like; X1 and X2 are each a hydrocarbon group, a halohydrocarbon group, a sulfur-containing group, a silicon-containing group, H or halogeno; and Y1 is a bivalent hydrocarbon group, a bivalent halohydrocarbon group, a bivalent silicon-containing group, a bivalent germanium-containing group, a bivalent tin-containing group, -O-, -CO-, -S-, -SO-, -SO2-, -Ge-, -Sn- or the like).



## LEGAL STATUS

[Date of request for examination] 12.03.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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